

PHENIX WEEKLY PLANNING



Feb. 6, 2014
Don Lynch

- Snow/sleet/freezing rain, etc.
- Plan/Install MPC-Ex FEM
- Continue F/VTX commissioning
- Open F/VTX for troubleshooting faulty pixel ladder; close up and cool down F/VTX
- Tech Support for Run 14 as required
- Investigate MMS water leak
- Troubleshoot MuTr South LV drop outs
- Troubleshoot faulty TOF E
- Support for sPHENIX efforts as required

Next Week

- Run 14 Continues
- Plan/Install MPC-Ex FEM
- Continue F/VTX commissioning
- Tech Support for Run 14 as required
- Support for sPHENIX efforts as required



VTX/FVTX commissioning

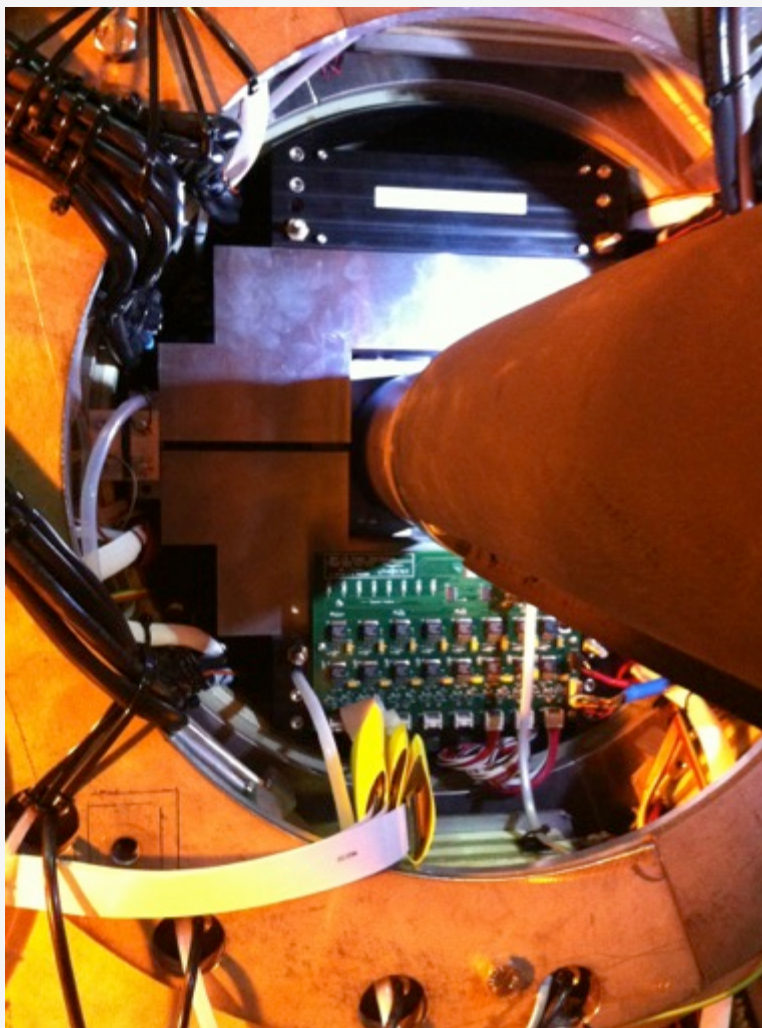


Troubleshooting Faulty VTX Pixel ladder

Continuing Commissioing

2/6/2014

MPC-Ex Initial (Partial) Installation



Mechanical installation complete
Services connected
Rack assembly & FEM assembly waiting for
final FEM modules

PHENIX - PROTON - NORTH

sPHENIX Prototype Beam Test @Fermilab

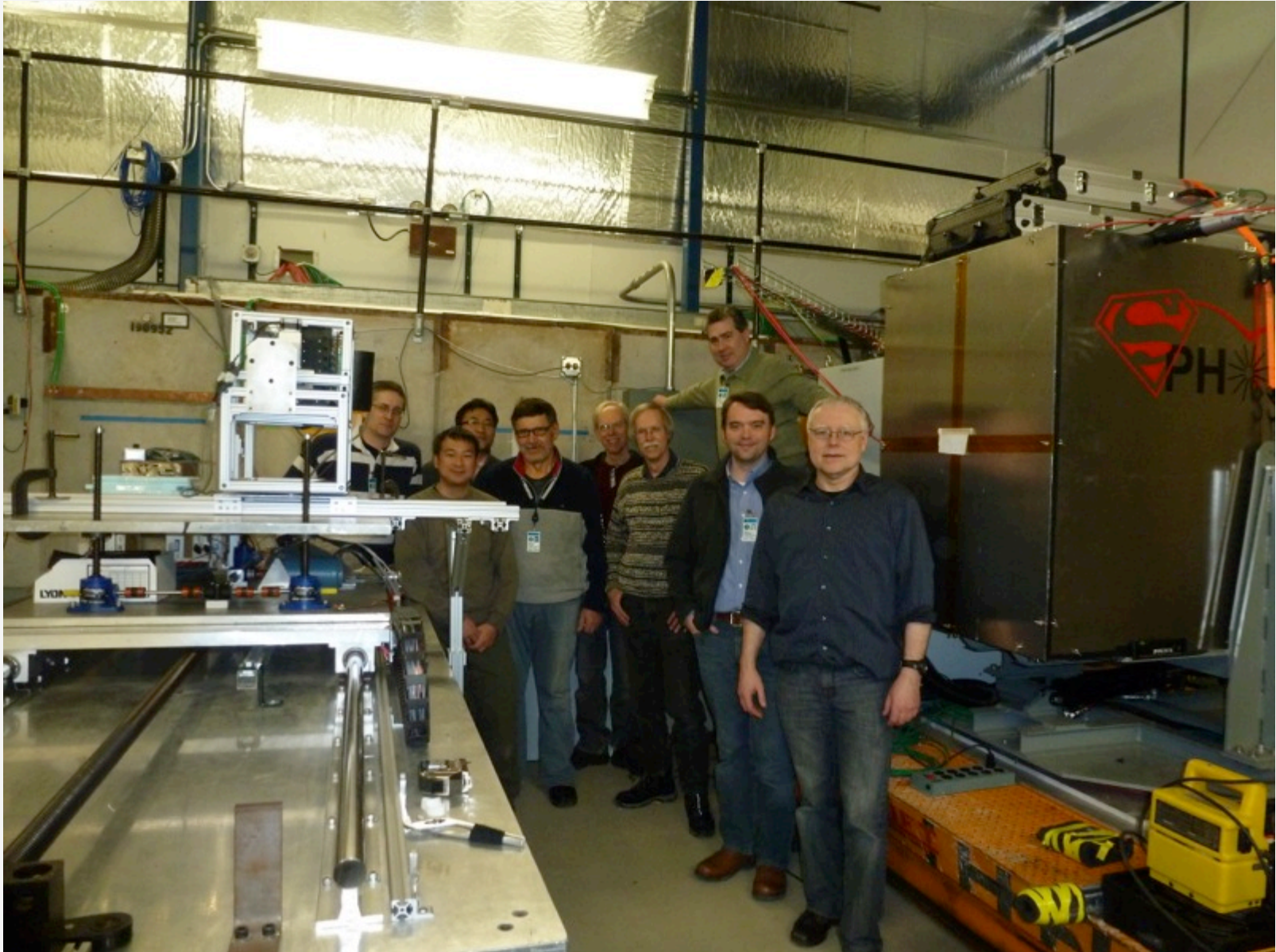


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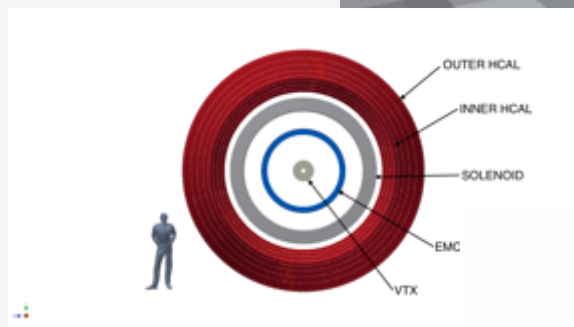
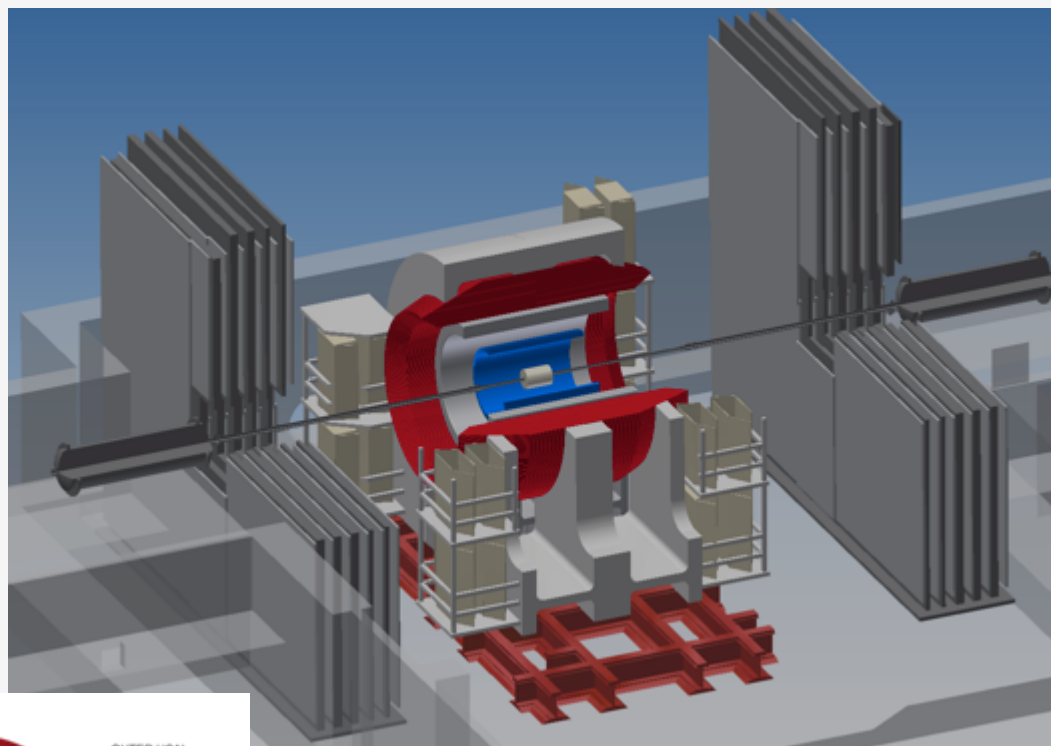
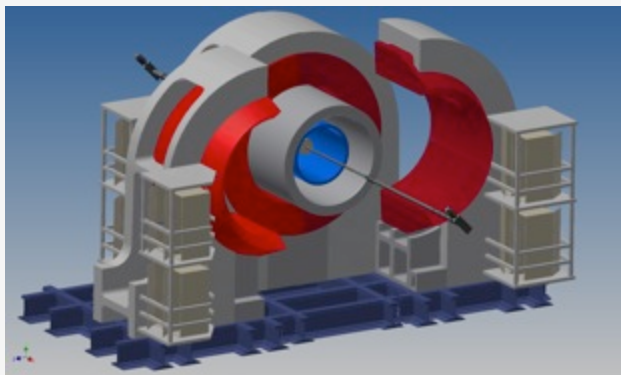
Test of combined EMCAL and HCAL prototypes
at Fermilab in Feb 2014



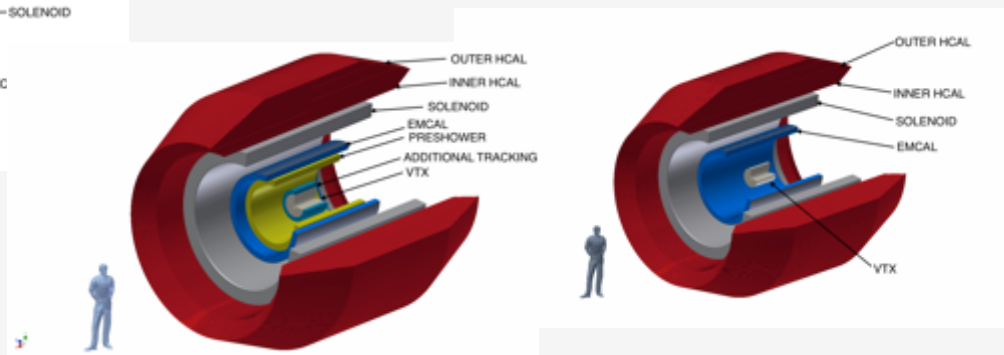
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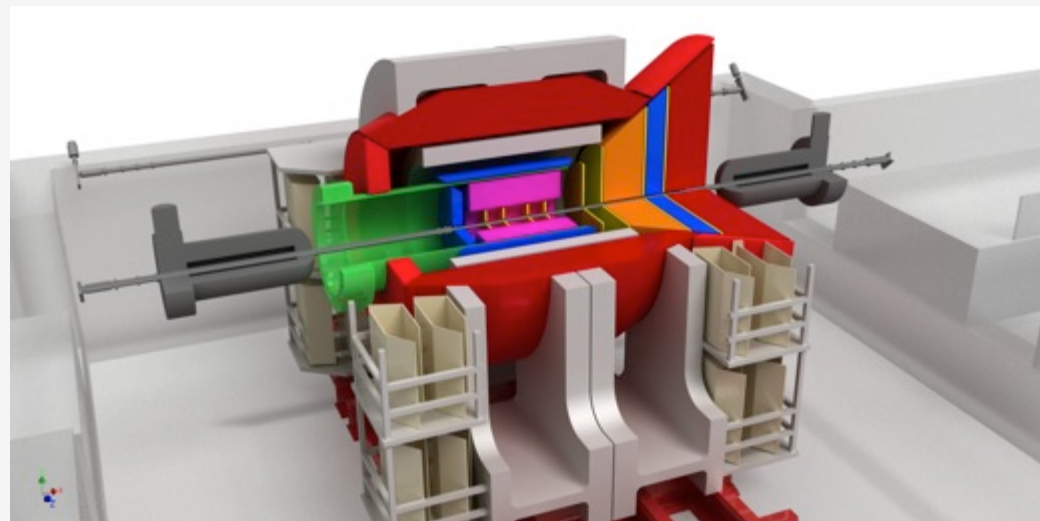
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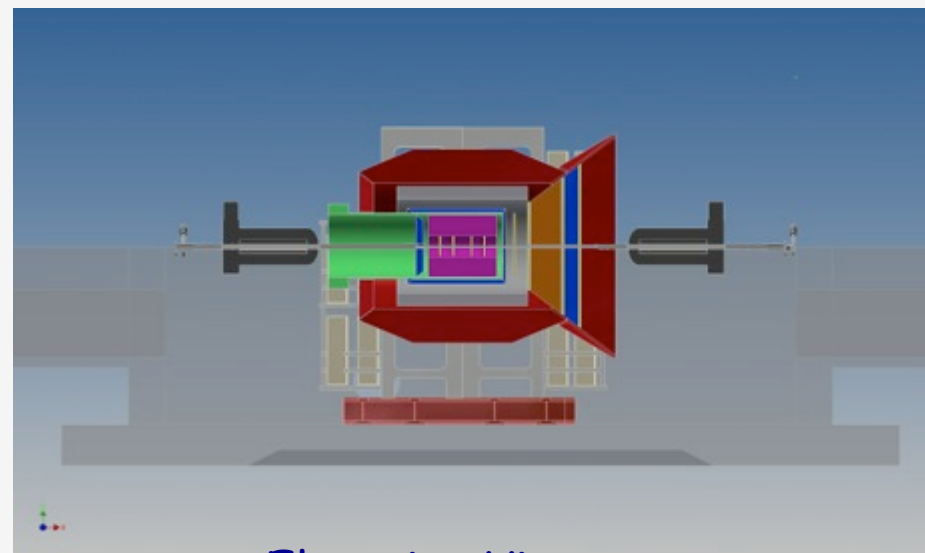
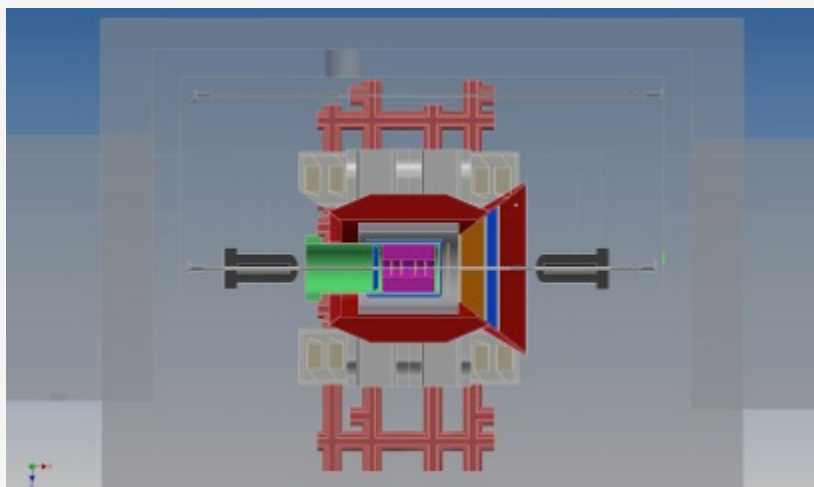
sPHENIX Modeling
support for
updated MIE



ePHENIX



Plan View



Elevation View

2/6/2014

Remaining 2013 Shutdown Schedule

Start Flammable gas flow	Done
Close shield wall, install radiation interlocks and prepare for run 14	Done
Pre-run commissioning and detector prep testing for run 14	Done
Start run 14	Done

PHENIX Annual Safety Review: Action Items

Safety and Security

- Provide a procedure to test the window washer interlocks (Lynch Jan 15, 2014)
Done
- Add (load limit) weight postings on the new gratings covering the cables adjacent to the sill (Phillips/Lynch Jan 15, 2014)
Done
- Complete the platform gates installation (Phillips Jan 15, 2014)
Dave is still working on this, (hopefully to finish this week?) (Note: this is not required for run start sign off)
- Provide the new flammable gases leak rates (Pisani, Jan 10, 2014)
Done
- Provide the updated gas usage quantities (Pisani Jan 10, 2014)
Done
- Add a caution sign not to overfill the NOVEC bottles (Pisani Jan 10, 2014)
Done
- Carry out the Blue Sheeting (CAS, Phillips Feb 1, 2013)
Done

PHENIX Annual Safety Review: Action Items (Continued) Safety and Security

- Document the new ethane installation and leak and pressure testing (Biggs Jan 15, 2014)
Carter will work on this next week, it may carry over for a few weeks until the trailer is delivered. After the trailer is delivered and installed, but before we switch the trailer on we will have a walk thru with the appropriate safety personnel, Mike Gaffney et. al. We expect to start the run with the existing 12 packs supplying the ethane, until all approvals are in place. (Note: this is not required for run start sign off)

- Provide updated sweep procedures (Sampson Jan 15, 2014)

Done

- Carry out an inspection of the installed platform gates (Cirnigliaro Feb 1, 2014)
Dave must schedule the carpenters to finish this work then Cirnigliaro can do his walk thru. (Next week ??)

General:

- Update the PHENIX ECR. (Craner, Jan 15, 2014)

Done

- Update the PHENIX work plan if necessary (Cirnigliaro Jan 15, 2014)

Done.

PHENIX Annual Safety Review: Action Items (Continued) Safety and Security

- Carry out a magnetic safety review (Phillips Jan 10, 2014)
Done
- A walk through of the PHENIX detector prior to introduction of flammable gas. (Makdisi et al Jan 10, 2014)
Done, See next page for action items from walkthru
- Update the documented work procedures. (Lynch Continuing)
There is only one procedure needing updating (MuID gas OPS) I have done a preliminary review and made some minor corrections, Rob has it next. Expect to have update completed by end of next week, 1/24/14. No other mandatory updates due in 2014, but will continue to monitor procedures and make updates if the need arises. (Note: this is not required for run start sign off)
- Establish trained PHENIX watch shifts. (O'Brien Jan 10, 2014)
Done

Walkthru Action Items

TECHNICAL SUPPORT NO-14

Checklist Item #	Initial	Title *	Description Of Check-Off List Item	Priority
-PHENIX-14-01		ESRC	All relevant ESRC action items closed.	Pre start
-PHENIX-14-02		LE	IR: Dumb Waiter inspection date due end of January	Pre start
-PHENIX-14-03		EC	IR: Either remove the temporary plastic hoses or use fasteners other than cable ties.	Pre start
-PHENIX-14-04		EC	IR: Install fire wire on the MPC racks	Pre start
-PHENIX-14-05		EC	IR: Need additional plastic covers to the MPC Low voltage connections.	Pre start
-PHENIX-14-06		EC	IR: Look to mitigate the open rack doors due to interference from cables.	Post start
-PHENIX-14-07		EC	GMH: Remove the TEC xenon recovery system.	Post Start
-PHENIX-14-08		EC	GMH: Remove the plastic line labeled DC CO2.	Post Start
-PHENIX-14-09		MCR GL	Check off list is complete	Pre start

Done

Done

Done

Done

Done

Working on it

To do list

Done

Some Signatures Needed

2014 planned Technical Support and Shutdown Activities

TECHNICAL SUPPORT 2014

Support for run 14	2/3-2/25/2014
Support for sPHENIX prototype tests at FermiLab	1/21-2/25/2014
Procure & Fabricate parts for MPC-Ex North and South	1/1/2014-6/30/2014
Assemble & test MPC-Ex South, ready for installation	3/1-7/1/2014
Assemble & test MPC-Ex North, ready for installation	7/1-9/25/2014
Start of Shutdown Tasks (purge flammable gas, disassemble and stow shield wall, remove collars, move EC to AH, Move MMS south, etc.)	7/1 - 7/18/2014
Install scaffolding in Sta 1 South	7/25/2014
Remove MPC-Ex prototype, Install new MPC-Ex South	7/28-8/22/2014
Maint. & Repairs for MPC South, BBC South, RPC1 South, MuTr sta 1 South, as necessary	7/28-8/22/2014
Remove scaffolding from sta 1 south, Move CM South	8/25/2014
Install scaffolding in Sta 1 North	8/26-8/29/2014
Prep MPC-Ex North installation area	9/1-9/26/2014
Install new MPC-Ex North	9/29-10/17/2014
Remove Sta 1 North scaffolds, Move CM North	10/20-10/24/2014
Other detector support	TBD
Infrastructure Maintenance and Improvement	TBD
Decommissioning of obsolete PHENIX detector equipment	TBD
sPHENIX Support	on-going
End of Shutdown Tasks (Move MS north, roll in EC , install collars, remove 10 ton cart, plates and manlifts, build shield wall, etc.)	10/27-11/26/2014
Pink/White/Blue Sheets	1/17/2014
End of Shutdown Party	????
Start Flammable gas flow	????
Close shield wall, install radiation interlocks and prepare for run 14	12/31/2014
Start run 15	1/2/2015

From Ray Karol:

BNL will be conducting their annual EMS/OSH and Compliance audits from 2/10/14 through 2/21/14.

They will be assessing the following topics at C-AD (incl. PHENIX):

- Chemical Safety, Beryllium, Lead, Confined Spaces
- Laser Safety, Static magnetic Fields, Non-ionizing Radiation
- Compressed Gas, Cryogenics, ODH, Pressure Safety
- Hazardous, Industrial, Radioactive, Mixed and Medical Wastes; PCB Management; NTS
- EMS/OSH Programs

You should all know the

[BNL ESSH Policy or know how to get it on the web and be able to explain what it means and how it applies to your job.](#)

See FAQs for the Environmental Management Program at:

http://www.c-ad.bnl.gov/ESSHQ/SND/faq_on_ems.htm

See FAQs for the OSH Management at:

Staff <http://www.c-ad.bnl.gov/ESSHQ/SND/faqonism.htm>

Managers <http://www.c-ad.bnl.gov/ESSHQ/SND/faqforismfor%20managers.htm>

Users <http://www.c-ad.bnl.gov/ESSHQ/SND/faquser.htm>



No Report on Injuries This Week

No new injuries reported on Safety Web site since 1/21/14

TECHNICAL REPORT NO. 14

2/6/2014



Where To Find PHENIX Engineering Info



Run 14 Underway!

(If you bet my Super Bowl prediction, sorry about that. I couldn't have been more wrong)

Now onto the Olympics



(no predictions from me)

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

2/6/2014



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